

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent No. 7,507,790	)	Serial No. 10/526,367
	)	
Inventor(s): Derek Woolfson, et al.	)	Filed: September 8, 2003
	)	
Issue Date: March 24, 2009	)	Attorney Docket No. 000487.00037

For: FIBER-SHAPING PEPTIDES CAPABLE OF INTERACTING WITH SELF-ASSEMBLING PEPTIDES

**REQUEST FOR CERTIFICATE OF CORRECTION**

U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building, Mail Stop: Certificate of Correction Branch  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322, this is a request for the issuance of a Certificate of Correction in the above-identified patent. A copy of PTO Form 1050 is appended. The complete Certificate of Correction involves one page.

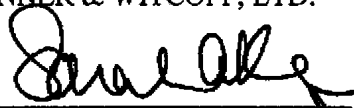
The mistakes identified in the appended Form occurred through no fault of the Applicants, as clearly disclosed by the records of the application, which matured into this patent. Enclosed for your convenience is the relevant portion of the Amendment dated November 25, 2008.

Issuance of the Certificate of Correction containing the corrections is respectfully requested. Since these changes are necessitated through no fault of the Applicants, no fee is believed to be associated with this request. Nonetheless, should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

Dated: September 02, 2009  
Banner & Witcoff, Ltd  
1100 13<sup>th</sup> Street, N.W., Suite 1200  
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By:   
Sarah A. Kagan  
Registration No. 32,141

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 7,507,790  
DATED: March 24, 2009  
INVENTOR(S): Derek Woolfson, et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 17, Claim 12, Line 7:  
Please delete "seine" and insert --serine--.

Mailing Address of Sender:

Banner & Witcoff, Ltd.  
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U.S. PAT. NO. 7,507,790

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## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	4348817
<b>Application Number:</b>	10526367
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3383
<b>Title of Invention:</b>	Fiber-shaping peptides capable of interacting with self-assembling peptides
<b>First Named Inventor/Applicant Name:</b>	Derek Woolfson
<b>Customer Number:</b>	22907
<b>Filer:</b>	Sarah Anne Kagan.
<b>Filer Authorized By:</b>	
<b>Attorney Docket Number:</b>	000487.00037
<b>Receipt Date:</b>	25-NOV-2008
<b>Filing Date:</b>	30-NOV-2005
<b>Time Stamp:</b>	09:11:13
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

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Deposit Account	190733
Authorized User	

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Supplemental Res. se or Supplemental Amendment	amdaf00037.pdf	114988 5943337673e8c5dc2309133c04133f84ca8e78e2	no	7
<b>Warnings:</b>					
<b>Information:</b>					
2	CRF Statement Paper and CRF are the same	seqstatement00037.pdf	70752 a96bba394196bfb4628cc74e655904eb50457023	no	1
<b>Warnings:</b>					
<b>Information:</b>					
3	Sequence Listing	seqlst00037.pdf	22991 64969642f49338c6e7c4dad35bfd4e71e4b8d40e	no	3
<b>Warnings:</b>					
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4	Sequence Listing (Text File)	seqlst00037.TXT	3464	no	0
<b>Warnings:</b>					
<b>Information:</b>					
5	Fee Worksheet (PTO-06)	fee-info.pdf	30009 1f389fea920ec6e49a753830a60e553c7158b7e7	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			242204		
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<i>In re</i> Application of:	)	Confirmation No. 3383
	)	
Derek WOOLFSON et al.	)	Group Art Unit: 1654
	)	
Serial No. 10/526,367	)	Examiner: Maury Audet
	)	
Filed: March 3, 2005	)	Atty. Dkt. No. 000487.00037

For: FIBER-SHAPING PEPTIDES CAPABLE OF INTERACTING WITH  
SELF-ASSEMBLING PEPTIDES

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA. 22314

Sir:

This paper responds to the final office action mailed January 30, 2008. A Notice of Appeal was filed on July 30, 2008. Applicant requests a two-month extension of time, extending the time to respond until November 30, 2008. No additional fee is believed due in connection with this response. However, should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

**Listing of Claims** begins on page 2 of this paper.

**Remarks** begin on page 6 of this paper.

Entry of the amendment is requested. The amendment responds to new issues raised when a new examiner assumed responsibility for the examination of this application. Applicants did not previously have an opportunity to address these issues.

9. The fibre-shaping peptide according to claim 39, which additionally comprises one or more functional molecules attached to the lysine residue of (i) or the glutamic acid residue of (ii).

10. The fibre-shaping peptide according to claim 9, wherein the functional molecule is an antibody molecule, a receptor, a ligand, an enzyme, an antigen, a label, a metal ion or a nucleic acid molecule.

11. The fibre-shaping peptide according to claim 9, wherein the functional molecule is attached to the lysine residue of (i) or the glutamic acid residue of (ii) via a second flexible linker.

12. The fibre-shaping peptide according to claim 11, wherein the second flexible linker is a peptide linker comprising amino acids selected from the group consisting of glycine, alanine, serine and  $\beta$ -alanine.

13. The fibre-shaping peptide according to claim 11, wherein the second flexible linker is a poly- $\beta$ -alanine peptide.

39. A fibre-shaping peptide comprising:

(i) a polypeptide according to SEQ ID NO: 3 with a first and optionally a second peptide monomer unit according to SEQ ID NO: 9 attached to the lysine residue shown at position 17 of SEQ ID NO:3, wherein the first peptide monomer unit is attached via an amide bond to epsilon amino group of the lysine residue, and the optional second peptide monomer unit is attached to the lysine residue via carboxyl group of the lysine residue;

or

(ii) a polypeptide according to SEQ ID NO: 5 with a first and optionally a second peptide monomer unit according to SEQ ID NO: 10 attached to the glutamic acid residue shown at position 1 of SEQ ID NO:5, wherein said first peptide monomer unit is attached

New independent claim 39 replaces former claim 1 and new independent claims 41 and 42 replace former claims 37 and 38. Each of claims 41 and 42 recites one of the two alternatives recited of claim 39.

Dependent claims 9-13 are now dependent on new claim 39. New dependent claims 42-46 and 47-51 are identical to claims 9-13, but each group is dependent on new independent claims 41 and 42, respectively.

It is respectfully submitted that no new matter is added. The changes to the claims are a matter of form only, and are made at the behest of the U.S. Patent and Trademark Office.

Rejection of Claims 1-15 Under 35 U.S.C. §112, first paragraph

Claims 1-15 stand rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Applicants respectfully traverse the rejection.

It is respectfully submitted that the new claim language obviates the issues previously raised in the rejection, by eliminating the questioned phrases and terms.

In view of the claim amendments, applicants respectfully request withdrawal of the rejection and a speedy allowance.

Respectfully submitted,  
By: /Sarah A. Kagan/  
Sarah A. Kagan  
Registration No. 32,141

Date: November 25, 2008

Banner & Witcoff  
Customer No: 22907